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# ***Adult Cardiac Emergencies:***

## ***Chest Pain (Suspected MI/Angina)***

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### ***I. All Provider Levels***

1. Refer to the Patient Care protocol.
2. Provide 100% oxygen via NRB.
  - A. If respiratory effort is inadequate assist ventilations utilizing BVM with 100% oxygen.
3. Place the patient in position of comfort. If evidence of poor perfusion is present place the patient in shock position.
4. Initiate advanced airway management with Combi-tube if respiratory effort is inadequate.



**Note Well:** EMT-I and EMT-P should use ET intubation.

5. Establish an IV of Normal Saline KVO or Saline lock.



**Note Well:** An ALS Unit must be en route or on scene.



### ***II. Advanced Life Support Providers***

1. Attach EKG monitor and interpret rhythm.
2. Consider obtaining a 12 lead EKG if possible.

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### ***II. Advanced Life Support Providers (continued)***

3. If chest pain appears cardiac in nature administer up to 4 Baby Aspirin (324 mg) chewed (unless hypersensitive).

A. Reassess patient.



**Note Well:** *The EMT can administer one 81 mg baby aspirin to the patient provided they meet the criteria outlined above.*

4. If chest pain appears cardiac in nature and systolic blood pressure is above 110 mm/Hg, administer Nitroglycerin 0.4 mg SL (tablet or spray)



**Note Well:** *If the patient is prescribed nitroglycerin tablets and has them available, the EMT should assist the patient in taking their nitroglycerin provided they meet the criteria outlined above.*



**Note Well:** *The administration of nitroglycerin is contraindicated in any patient having taken Viagra within 24-hours of ingestion*

5. If chest pain persists, 1 additional Nitroglycerin 0.4 mg SL (tablet or spray) may be administered as long as the patient's systolic blood pressure is above 110 mm/Hg. Reassess patient

**Note Well:** *Additional doses of Nitroglycerin 0.4 mg SL may be administered every 5 minutes, **not to exceed 3 doses without Medical Control order.** Include any nitroglycerin taken by the patient prior to arrival provided that nitroglycerin has not expired*

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### ***II. Advanced Life Support Providers (continued)***

6. If chest pain persist,
  - A. Obtain 12 lead EKG and interpretation
  - B. Apply Nitroglycerin paste, 1.0 inch, if no indication of an inferior/posterior wall MI
  - C. Reassess patient.



### ***III. Transport Decision***

1. Transport to the closest appropriate open facility



### ***IV. The Following Options are Available by Medical Control Only***

1. Additional doses of Nitroglycerin 0.4 mg SL every 5 minutes.
2. Morphine Sulfate 2 - 5 mg slow IV push to a maximum dosage of 10 mg (Reassess every 3 - 5 minutes after administration).

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